

## LED T8 - DIRECTFIT

### 4FT GLASS SERIES

### UL TYPE-A



### PRODUCT DESCRIPTION:

MaxLite DirectFit LED T8 lamp is the ideal plug and play solution that works straight out of the box. Designed to deliver up to 2,200 lumens, these energy-saving LED lamps are quick, easy and safe to install into existing linear fluorescent fixtures without any extra effort or re-wiring. MaxLite DirectFit LED T8 lamps utilize the existing T8 instant-start electronic ballasts, thus minimizing maintenance and labor costs.

### FEATURES:

- Lumens: 1800 and 2200 lumens
- Input Voltage: 120-277V, determined by fluorescent ballast
- UL Type-A, compatible with most electronic instant-start, T8 ballasts
- Instant on
- All glass construction with plastic end caps
- Beam Angle: 320°
- Color Rendering Index (CRI): ≥80
- THD <20%
- Power Factor: ≥0.90
- Suitable for use in dry and damp locations
- Suitable for use in enclosed fixture
- Not for use with T12 magnetic or electronic ballasts
- Not for use with T8 magnetic or HO ballasts
- Not for use or to be wired to "mains voltage"
- 50,000 hour life (L70 standards)

### WARRANTY:

5-year standard warranty (further details available at [www.maxlite.com/warranties](http://www.maxlite.com/warranties))

Product may be eligible for a warranty extension to 10 years, for an additional fee. Contact MaxLite for details.

#### 4FT MODEL SELECTION (Full list of order codes on pg. 2)

Typical order example: L10.5T8DF435-GA

L10.5	T8	DF	4	
FAMILY	LAMP TYPE	OPERATION	LENGTH	CCT
<b>L10.5=</b> LED Linear, 10.5 Watt	<b>T8=</b> T8 tube, Bi-Pin G13	<b>DF=</b> Direct Fit	<b>4=</b> 4 FT	<b>40-GA=</b> 4000K, Glass with Plastic End Caps

#### 4FT MODEL SELECTION (Full list of order codes on pg. 2)

Typical order example: L14T8DF440-GA2

L14	T8	DF	4	
FAMILY	LAMP TYPE	OPERATION	LENGTH	CCT
<b>L14=</b> LED Linear, 14 Watt	<b>T8=</b> T8 tube, Bi-Pin G13	<b>DF=</b> Direct Fit	<b>4=</b> 4 FT	<b>40-GA2=</b> 4000K, Glass with Plastic End Caps

#### NOTES:

1. See page 3 for a list of compatible ballasts

**SPECIFICATIONS:**

		L10.5T8DF4xx-GA	L14T8DF4xx-GA2
ITEM	SPECIFICATION	4FT - DETAILS	
<b>GENERAL PERFORMANCE</b>	Bare Lamp Wattage (W)	10.5W	14W
	Lumens Delivered* (lm)	1,800	2,200
	Color Temperature (CCT)	4000K	
	CRI	≥ 0.80	
	Beam Angle	320°	
	Lumen Maintenance (L70)	50,000 Hours	
<b>ELECTRICAL</b>	Power Factor	≥ 0.90	
	Input Voltage	120-277V, ballast dependent	
<b>PHYSICAL</b>	Operating Temperature	-4°F to 113°F	
	Lens	Opal (Frosted)	
	Dimension (W" x MOL")	1.05" x 47.78"	
<b>CERTIFICATION</b>	Certification	UL listed	
	Material Usage	RoHS compliant, no mercury	
	Environment	Dry, Damp	
	Warranty	5 Years	
<b>QUALIFICATION</b>	DesignLight Consortium	DLC Standard	

\* Operating with normal ballast factor (.88) ballast

**ORDERING:**

ITEM NUMBER	MODEL NUMBER	DLC ID #	WATTAGE	COLOR TEMPERATURE
<b>10.5W 4FT T8</b>				
L10.5T8DF440-GA	103331	PII5QWGD	10.5W	4000K
<b>14W 4FT T8</b>				
L14T8DF440-GA2	103334	PJ924ERB	14W	4000K

**COMPATIBLE BALLASTS-INSTANT START - 120V, 277V**

MANUFACTURE	MODEL NUMBER	# OF LAMPS	1 LAMP LOAD		2 LAMPS LOAD		3 LAMPS LOAD		4 LAMPS LOAD	
			INPUT VOLTAGE		INPUT VOLTAGE		INPUT VOLTAGE		INPUT VOLTAGE	
			120V	277V	120V	277V	120V	277V	120V	277V
ESPEN	VE232MVHIPE	2	GOOD	GOOD	GOOD	GOOD				
	VE232MVHIPLE	2	GOOD	GOOD	GOOD	GOOD				
FULHAM	WHS3G3-UNV-T8-IS	3	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD		
	WHS3G4-UNV-T8-IS	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
GE	GE-232-MV-N-DIY	2	GOOD	GOOD	GOOD	GOOD				
	GE-432-MV-N-DIY	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
	GE132MAX-NULTRA	1	GOOD	GOOD						
	GE232MAX-NULTRA	2	GOOD	GOOD	GOOD	GOOD				
	GE332MAX-NULTRA	3	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD		
	GE432MAX-NULTRA	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
	GE132MAX-LULTRA	1	GOOD	GOOD						
	GE232MAX-LULTRA	2	GOOD	GOOD	GOOD	GOOD				
	GE132MAX-HULTRA	1	GOOD	GOOD						
	GE232MAX-HULTRA	2	GOOD	GOOD	GOOD	GOOD				
	GE232-120RES-DIY	2	BAD		BAD					
	GE132MAXP-NULTRA	1	GOOD	GOOD						
	GE232MAXP-NULTRA	2	GOOD	GOOD	GOOD	GOOD				
	GE332MAXP-NULTRA	3	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD		
	GE432MAXP-NULTRA	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
	GE132MAXP-LULTRA	1	GOOD	GOOD						
	GE232MAXP-LULTRA	2	GOOD	GOOD	BAD	BAD				
	GE332MAXP-LULTRA	3	GOOD	GOOD	GOOD	GOOD	BAD	BAD		
	GE432MAXP-LULTRA	4	GOOD	GOOD	GOOD	GOOD	BAD	BAD	BAD	BAD
	GE332MAXP-HULTRA	3	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD		
	GE432MAXP-HULTRA	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
HALCO LIGHTING	EP232ISLMVHE	2	GOOD	GOOD	GOOD	GOOD				
	EP332ISLMVHE	3	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD		
	EP232ISHMVHE	2	GOOD	GOOD	GOOD	GOOD				
	EP332ISMVHE	3	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD		
	EP432ISMVHE	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	BAD	BAD

**COMPATIBLE BALLASTS-INSTANT START - 120V, 277V**

MANUFACTURE	MODEL NUMBER	# OF LAMPS	1 LAMP LOAD		2 LAMPS LOAD		3 LAMPS LOAD		4 LAMPS LOAD	
			INPUT VOLTAGE		INPUT VOLTAGE		INPUT VOLTAGE		INPUT VOLTAGE	
			120V	277V	120V	277V	120V	277V	120V	277V
HATCH	HL232BIS/uv/he/w	2	GOOD	GOOD	GOOD	GOOD				
	HL432BIS/us/he/w	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
HOWARD INDUSTRIES	EPL232ISMVMCCE	2	GOOD	GOOD	GOOD	GOOD				
	EPL332ISMVSCHE	3	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD		
	EPL432ISMVMCCE	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
	EPH232ISMVMCCE	2	GOOD	GOOD	GOOD	GOOD				
	EPH332ISMVMCCE	3	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD		
	EPH432ISMVSCHE	4	GOOD	GOOD	GOOD	GOOD	BAD	GOOD	BAD	GOOD
	EP332ISMVMCCE	3	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD		
	EP432ISMVMCCE	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	BAD	GOOD
KEYSTONE	KTEB-232-UV-IS-H-P	2	GOOD	GOOD	GOOD	GOOD				
	KTEB-332-UV-IS-H-P	3	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD		
	KTEB-232-UV-IS-N-P	2	GOOD	GOOD	GOOD	GOOD				
	KTEB-332-UV-IS-N-P	3	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD		
	KTEB-432-UV-IS-L-P	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
MAXLITE	SKEU324HESC	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
	MLEU324HESC	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
PHILIPS ADVANCE	ICN-1P32-N	1	GOOD	GOOD						
	ICN-2P32-N	2	GOOD	GOOD	GOOD	GOOD				
	ICN-3P32-N	3	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD		
	ICN-4P32-N	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
	IOPA-1P32-N	1	GOOD	GOOD						
	IOPA-2P32-N	2	GOOD	GOOD	GOOD	GOOD				
	IOPA-3P32-N	3	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD		
	IOPA-4P32-N	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
	IOPA-1P32-LW-N	1	GOOD	GOOD						
	IOPA-2P32-LW-N	2	GOOD	GOOD	GOOD	GOOD				
	IOPA-3P32-LW-N	3	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD		
	IOPA-4P32-LW-N	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
	IOPA-1P32-HL-N	1	GOOD	GOOD						
	IOPA-2P32-HL-N	2	GOOD	GOOD	GOOD	GOOD				
	IOPA-4P32-HL-SC	4	BAD	BAD	BAD	BAD	BAD	BAD	BAD	BAD

**COMPATIBLE BALLASTS-INSTANT START - 120V, 277V**

MANUFACTURE	MODEL NUMBER	# OF LAMPS	1 LAMP LOAD		2 LAMPS LOAD		3 LAMPS LOAD		4 LAMPS LOAD	
			INPUT VOLTAGE		INPUT VOLTAGE		INPUT VOLTAGE		INPUT VOLTAGE	
			120V	277V	120V	277V	120V	277V	120V	277V
PHILIPS ADVANCE	REB-2P32-N	2	GOOD		GOOD					
	ICN2P16TLEDN	2	GOOD	GOOD	GOOD	GOOD				
	ICN3P16TLEDN	3	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD		
	ICN4P16TLEDN	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
	ICN2P16HLTLEDSC	2	GOOD	GOOD	GOOD	GOOD				
	ICN4P16HLTLEDSC	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
	IZT-2P16-TLED-SC	2	GOOD	GOOD	GOOD	GOOD				
	IZT-4P16-TLED-SC	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
SYLVANIA OSRAM	QTP 1X32T8UNV ISN-SC	1	GOOD	GOOD						
	QTP 2X32T8UNV ISN-SC	2	GOOD	GOOD	GOOD	GOOD				
	QTP 3X32T8UNV ISN-SC	3	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD		
	QTP 4X32T8UNV ISN-SC	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
	QHE 1x32T8UNV ISN-SC	1	GOOD	GOOD						
	QHE 2X32T8UNV ISN-SC	2	GOOD	GOOD	GOOD	GOOD				
	QHE 3x32T8UNV ISN-SC	3	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD		
	QHE 4X32T8UNV ISN-SC	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
	QHE 1x32T8UNV ISL-SC	1	GOOD	GOOD						
	QHE 2x32T8UNV ISL-SC	2	GOOD	GOOD	GOOD	GOOD				
	QHE 3x32T8UNV ISL-SC	3	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD		
	QHE 4x32T8UNV ISL-SC	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
	QHE 1x32T8UNV ISH-SC	1	GOOD	GOOD						
	QHE 2x32T8UNV ISH-SC	2	GOOD	GOOD	GOOD	GOOD				
	QHE 4x32T8UNV ISH	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
	QHE 1X32T8UNV ISH HT SC	1	GOOD	GOOD						
	QHE 2X32T8UNV ISH HT SC	2	GOOD	GOOD	GOOD	GOOD				
	QHE 3x32T8UNV ISN-SC-1	3	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD		
	QHE 4x32T8UNV ISN-SC-1	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
	QHE 3x32T8UNV ISL-SC-1	3	BAD	BAD	BAD	BAD	BAD	BAD		
	QHE 4x32T8UNV ISL-SC-1	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD

**COMPATIBLE BALLASTS-INSTANT START - 120V, 277V**

MANUFACTURE	MODEL NUMBER	# OF LAMPS	1 LAMP LOAD		2 LAMPS LOAD		3 LAMPS LOAD		4 LAMPS LOAD	
			INPUT VOLTAGE		INPUT VOLTAGE		INPUT VOLTAGE		INPUT VOLTAGE	
			120V	277V	120V	277V	120V	277V	120V	277V
ULTRA SAVE	UT232347	2	GOOD	GOOD	GOOD	GOOD				
	UT432347	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
UNIVERSAL TRIAD	B132IUNVHP-N	1	GOOD	GOOD						
	B232IUNVHP-N	2	GOOD	GOOD	GOOD	GOOD				
	B332IUNVHP-A	3	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD		
	B432IUNVHP-A	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
	B132IUNVHE-A	1	GOOD	GOOD						
	B232IUNVHE-A	2	GOOD	GOOD	GOOD	GOOD				
	B332IUNVHE-A	3	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD		
	B432IUNVHE-A	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
	B232IUNVEL-A	2	GOOD	GOOD	GOOD	GOOD				
	B332IUNVEL-A	3	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD		
	B432IUNVEL-A	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
	B232IUNVHEH-A	2	GOOD	GOOD	GOOD	GOOD				

**COMPATIBLE BALLASTS INSTANT START - 347V**

MANUFACTURE	MODEL NUMBER	# OF LAMPS	1 LAMP LOAD		2 LAMPS LOAD		3 LAMPS LOAD		4 LAMPS LOAD	
			INPUT VOLTAGE		INPUT VOLTAGE		INPUT VOLTAGE		INPUT VOLTAGE	
			347V		347V		347V		347V	
GE	GE432MAX347-N	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD
SYLVANIA OSRAM	QTP 2X32T8/347 ISN-SC	2	GOOD	GOOD	GOOD	GOOD				
	QHE 4X32T8/347 ISN-SC	4	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD	GOOD